



**Department of Environmental Protection  
Montgomery County, Maryland**

***DIVISION OF SOLID WASTE SERVICES***

***QUARTERLY REPORT***

***JULY, AUGUST, SEPTEMBER 2011***

**(1<sup>st</sup> Quarter of FY12)**



Waste Reduction and Recycling Section staff continues to provide outreach and education, technical assistance and training on waste reduction, reuse, recycling, grasscycling, composting, buying recycled and more. During this quarter, staff participated in 74 educational events across the County. Counter-clockwise from upper left: Poolesville Farmers' Market July 29; Montgomery County Agricultural Fair August 12 – 20; Georgian Court Community Day September 17; and Burtonsville Day September 24.



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# **OVERVIEW**

## **Tonnage at a Glance**

The following table shows key material flows during the months of July, August, and September including the fiscal year to date (FY YTD), and the same calendar month in the two prior fiscal years. (County Fiscal Year 2011 began July 1, 2011.)

<b>FACILITY</b>	<b>July FY12</b>	<b>FY12 YTD</b>	<b>July FY11</b>	<b>July FY10</b>
Materials Recovery Facility <sup>(1)</sup>	5,820 tons	5,820 tons	6,502 tons	6,576 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	15,475 tons	16,733 tons
Resource Recovery Facility <sup>(3)</sup>	48,715 tons	48,715 tons	47,143 tons	46,476 tons
Yard Trim Compost Facility	2,828 tons	2,828 tons	2,105 tons	3,275 tons
Honeygo Run Reclamation <sup>(4)</sup>	2,546 tons	2,546 tons	3,074 tons	5,763 tons
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	14,519 tons	14,519 tons	0 ton	0 ton

<b>FACILITY</b>	<b>August FY12</b>	<b>FY12 YTD</b>	<b>August FY11</b>	<b>August FY10</b>
Materials Recovery Facility <sup>(1)</sup>	6,471 tons	12,291 tons	6,539 tons	6,021 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	15,044 tons	15,806 tons
Resource Recovery Facility <sup>(3)</sup>	51,337 tons	100,052 tons	50,606 tons	49,872 tons
Yard Trim Compost Facility	2,810 tons	5,638 tons	1,824 tons	3,047 tons
Honeygo Run Reclamation <sup>(4)</sup>	5,076 tons	7,622 tons	2,142 tons	5,425 tons
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	16,602 tons	31,121 tons	0 ton	0 ton

(1) MRF tons reported as outgoing.

(2) Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

(3) RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. These tonnages are preliminary, with adjustments made in the September and December monthly reports.

(4) Non-processible waste sent to be sorted for recycling and landfilled.

(5) Ash sent to Old Dominion Landfill for internal roads within working landfill cells and alternate daily cover.

FACILITY	September FY12	FY12 YTD	September FY11	September FY10
Materials Recovery Facility <sup>(1)</sup>	6,588 tons	18,879 tons	6,944 tons	6,781 tons
Brunswick Landfill Facility <sup>(2)</sup>	0 ton	0 ton	2,808 tons	13,055 tons
Resource Recovery Facility <sup>(3)</sup>	43,907 tons	143,959 tons	45,800 tons	40,878 tons
Yard Trim Compost Facility	5,778 tons	11,416 tons	3,730 tons	2,996 tons
Honeygo Run Reclamation <sup>(4)</sup>	2,558 tons	10,180 tons	6,077 tons	4,513 tons
Ash Recycling (Old Dominion LF) <sup>(5)</sup>	11,868 tons	42,989 tons	0 ton	0 ton

(1) MRF tons reported as outgoing.

(2) Refers to waste sent to the landfill for disposal (ash residue and nonprocessible waste). It does not include rubble and bulk natural wood waste that is recycled.

(3) RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. These tonnages are preliminary, with adjustments made in the September and December monthly reports.

(4) Non-processible waste sent to be sorted for recycling and landfilled.

(5) Ash sent to Old Dominion Landfill for internal roads within landfill cells and alternate daily cover.

During July, August, and September program staff:

- Researched properties and entered billing changes into the database;
- Prepared monthly house counts for collection contractors;
- Processed vacancy refunds payable in July, August, and September;
- Updated Access™ databases and Excel™ spreadsheets for monthly Refuse and Recycling Collection contractor reports;
- Continued routine research and correction of solid waste fee abnormalities as they emerge in the property tax database;
- Generated Hauler/Collector Credit Account invoices for July, August, and September 2011 totaling \$3,766,036.38 (a decrease of \$26,357.02 below the same quarter in 2010);
- Updated the Aging Report (30-day average arrearage was less than \$30,000 per month for the quarter);
- Reconciled July, August, and September 2011 tons to monies posted in ERP, as well as to the total dollars charged in Paradigm;
- Worked on FY11 year end closing and reconciled expenditures;
- Continue to meet with ERP and Finance staff regarding the Oracle E-Solutions, and started generating reports from the Business Intelligent (BI) system of ERP, those reports help us to determine the remaining balance of Solid Waste purchase orders, remaining balance of the operating budget, and the amount of funds paid for personnel and;
- Conducted contract training to staff, and developed guidelines for completing informal solicitations and navigating through the Local Small Business Reserve Program.

## **CITIZEN COMMITTEES**

**Dickerson Area Facilities Implementation Group (DAFIG)** – DAFIG met on Tuesday, September 13, 2011. Topics discussed included the following: Environmental Management System (EMS) Update, Complaint Report, The Facilities Master Plan, Chiswell Property Update and Facilities Update. The next quarterly DAFIG meeting will be held on Tuesday, December 13, 2011.

**Solid Waste Advisory Committee (SWAC)** – There were no SWAC meetings in July and August 2011.

September 2011 - SWAC held its regularly scheduled meeting on Saturday, September 10, 2011 in the Recycling Center located at the Shady Grove Processing Facility and Transfer Station. Nine SWAC and two County staff members were in attendance. Peter Karasik, Section Chief of Central Operations of the Division of Solid Waste Services, presented the members of SWAC with an overview of the procedures and operations of the Recycling Center and Transfer Station. A tour of the entire Transfer Station immediately followed the meeting.

## **COLLECTIONS**

- **News:**

- The collection contract for Area 3 (Aspen Hill) was awarded to Unity Disposal & Recycling.

**Resident Missed Collection Complaints:** These are calls from residents contacting 311 one or two days after their collection day informing us that their solid waste was not picked-up.

July 2011	44
July 2010	121
Difference	-77

August 2011	94
August 2010	101
Difference	-7

September 2011	67
September 2010	45
Difference	+22

### **Resident Service Requests:**

#### *July*

Bulk trash requests	2,116
Scrap metal requests	1,912
Blue bin requests	1,408
Blue cart requests	205
Blue cart repair	89
Literature requests	153
Unacceptable for Collection (tagged)	410

#### *August*

Bulk trash requests	2,233
Scrap metal requests	1,863
Blue bin requests	1,471
Blue cart requests	246
Blue cart repair	102
Literature requests	150
Unacceptable for Collection (tagged)	308

#### *September*

Bulk trash requests	1,917
Scrap metal requests	1,536
Blue bin requests	1,339
Blue cart requests	212
Blue cart repair	112
Literature requests	188
Unacceptable for Collection (tagged)	417

### **Survey Cards:**

The Public Service Workers distributed 1,140 survey cards in **July** and received 5.4% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	85%	15%	0%	0%	0%
County Staff	79%	20%	1%	0%	0%
Recycling Crews	62%	32%	4%	2%	0%

The Public Service Workers distributed 1,078 survey cards in **August** and received 6.9% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	76%	21%	2%	1%	0%
County Staff	68%	31%	0%	0%	1%
Recycling Crews	65%	29%	6%	0%	0%

The Public Service Workers distributed 1,047 survey cards in **September** and received 5.0% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	78%	22%	0%	0%	0%
County Staff	79%	18%	2%	1%	0%
Recycling Crews	74%	20%	6%	0%	0%

Collections mailed out 133 survey cards in **July** and received 7.5% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	70%	30%	0%	0%	0%
County Staff	30%	60%	0%	10%	0%
Recycling Crews	10%	70%	20%	0%	0%

Collections mailed out 174 survey cards in **August** and received 9.8% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	59%	35%	6%	0%	0%
County Staff	53%	35%	0%	0%	12%
Recycling Crews	63%	13%	19%	0%	5%

Collections mailed out 164 survey cards in **September** and received 14.6% of the cards back.

	Excellent	Good	Average	Fair	Poor
Recycling Programs	65%	35%	0%	0%	0%
County Staff	60%	40%	0%	0%	0%
Recycling Crews	57%	39%	0%	4%	0%

## **Collection Section Enforcement Actions:**

### *July:*

- Citations: No citations were issued in the month of July.
- Notices of Violation:
  - 48-11 deposited solid waste upon a public right of way.
  - 48-20(a) collected and/or transport solid waste within the county without a valid collectors tag attached to the vehicle.
  - 48-20(d) operated vehicle found to be in an unsafe physical, mechanical, or sanitary condition.
  - 48-24(b) allowed solid waste to accumulate on the county right of way. Two (2) Novs were issued for this violation.

### *August:*

- Citations: No citations were issued in the month of August.
- Notices of Violation: No NOV's were issued in the month of August.

### *September:*

- Citations: No citations were issued in the month of September.
- Notices of Violation:
  - 48-24(b) allowed solid waste to accumulate on the county right of way.

## **Website:**

### Solid Waste Services Website

<b>Metric</b>	<b>July 2011</b>	<b>August 2011</b>	<b>September 2011</b>
Unique Visitors	61,685	58,715	52,951
Page Loads	155,753	142,999	135,707

### Email List Memberships

<b>Topic</b>	<b>Subscribers (new this month)</b>		
	<b>July 2011</b>	<b>August 2011</b>	<b>September 2011</b>
Holiday Reminder	16,174 (308)	16,247 (73)	15,560 (311)
HHW Announcements	6,380 (156)	6,446 (66)	6,605 (155)
Newsletter Helper	3,075 (67)	3,104 (29)	3,162 (57)
Facility Updates	2,880 (100)	2,927 (47)	3,012 (87)
Electronics recycling	3,427 (137)	3,488 (61)	3,646 (161)
Go Green	1,668 (71)	1,698 (30)	1,767 (70)
Civic Loop	533 (35)	552 (19)	586 (45)
SORRT Newsletter	381 (28)	392 (11)	1,254 (860)
TRRAC	375 (29)	387 (12)	414 (28)
Monthly Report	571 (43)	591 (20)	635 (44)
<b>Total Subscriptions</b>	<b>35,464 (974)</b>	<b>35,752 (368)</b>	<b>37,641 (1520)</b>



### Most Popular Web Pages

<b>July 2011</b>	<b>August 2011</b>	<b>September 2011</b>
1. Transfer Station	Transfer Station	Transfer Station
2. How do I...	How do I...	How do I...
3. Holidays	Collection day lookup	Holidays
4. Bulk trash	Bulk trash	Bulk trash
5. Collection day lookup	Latex paint	Collection day lookup
6. Latex paint	Household Haz. Waste	Latex paint
7. Household Haz. Waste	Scrap metal recycling	Household Haz. Waste
8. Scrap metal recycling	Compost fluorescent lights	Scrap metal recycling
9. Recycling Center	Recycling Center	Store: blue bin
10. Curbside recycling	Curbside recycling	Recycling Center

## **WASTE MINIMIZATION**

<b>Product Recycled</b>	<b>Jul 2011</b>	<b>FY12 YTD</b>	<b>Jul FY11</b>	<b>July FY10</b>
TVs and PCs	167 tons	167 tons	160 tons	193 tons
Propane Tanks	3 tons	3 tons	3 tons	2 tons
Textiles	5 tons	5 tons	12 tons	13 tons
Construction Materials (Don't Dump – Donate)	2 tons	2 ton	5 tons	4 tons
Vehicle Batteries	17 tons	17 tons	17 tons	18 tons
Rechargeable Batteries	1 ton	1 ton	0 ton	0 ton

Product Recycled	Aug 2011	FY12 YTD	Aug FY11	Aug FY10
TVs and PCs	181 tons	348 tons	156 tons	171 tons
Propane Tanks	3 tons	6 tons	0 ton	4 tons
Textiles	10 tons	15 tons	12 tons	12 tons
Construction Materials (Don't Dump – Donate)	1 tons	3 tons	4 tons	4 tons
Vehicle Batteries	16 tons	33 tons	21 tons	18 tons
Rechargeable Batteries	0 ton	1 ton	1 ton	0 ton

Product Recycled	Sep FY12	FY12 YTD	Sep FY11	Sep FY10
TVs and PCs	135 tons	483 tons	142 tons	161 tons
Propane Tanks	2 tons	8 tons	3 tons	0 ton
Textiles	9 tons	24 tons	8 tons	12 tons
Construction Materials (Don't Dump – Donate)	2 tons	5 ton	4 tons	11 tons
Vehicle Batteries	15 tons	48 tons	17 tons	40 tons
Rechargeable Batteries	0 ton	1 ton	0 ton	0 ton

## **HAZARDOUS WASTE PROGRAMS**

**Household Hazardous Waste (HHW) Collection** – A total of 21,126 patrons visited the program in the First quarter (July, August, and September). During normal business hours we had 19,789 patrons; after 5:00 p.m., we had 1,337 patrons. The HHW web site page had 4,265 unique page views in the first quarter.

**Small Quantity Generator/ECOWISE Program** – There were 34 ECOWISE participants in the first quarter of 2012.

## **WASTE REDUCTION**

**Bicycle Recycling** – “Bikes for the World” removed 8 tons of bikes in the First quarter for restoration and shipment to countries worldwide.

**Paint Reduction** – The free paint program gave away 4,555 gallons in the first quarter. There were also 11,820 gallons of paint donated to Honduras during the first quarter. We solidified 165 cubic yards of paint in the fourth quarter.

**NEW ‘GOGREEN’ Website** – The new *Go Green* website, ([www.montgomerycountymd.gov/GOGREEN](http://www.montgomerycountymd.gov/GOGREEN)) will be a one stop site for a wide range of environmental programs and information for residents and businesses. In the first quarter, the site had 81 unique page views.

**Straight Vegetable Oil (SVO) Recycling** – The Transfer Station has a vendor that accepts Waste Vegetable Oil (WVO) for the sole purpose of bio-diesel production; in the first quarter 5 tons of SVO were shipped out for processing into biodiesel (<http://www.montgomerycountymd.gov/veggieoil>).

## **AIR PERMITS AND ENVIRONMENTAL PROGRAMS**

**Resource Recovery Facility (RRF): CEMS Tracking of RRF Emissions** – There were three events involving emission excursions during the first quarter of FY12, one occurred in July and two in September. Only CO concentrations were involved.

On Tuesday, July 5, the CEMS on Unit #3 reported a 1-hour block average concentration of 201 ppm<sub>dv</sub>, which exceeds 1-hour CO standard concentration of 200 ppm<sub>dv</sub>. The cause was determined to be partly due to simultaneous timing of instrument calibrations which has since been adjusted and there is no regulatory implication.

On Monday September 19, for the last four consecutive 1-hour averaging periods of the day, the CEMS on Unit 1 indicated CO emission concentrations of 364, 1032, 2100 and 2576 ppm<sub>dv</sub>, respectively, which exceeded the 1-hour standard CO concentration of 200 ppm<sub>dv</sub>. The average emission concentration for that 4-hour period was 1518 which exceeded 4-hour standard concentration of 100 ppm<sub>dv</sub>, and the resulting 24-hour average CO concentration of 262 ppm<sub>dv</sub> exceeded the 50 ppm<sub>dv</sub> concentration standard for the 24-hour block averaging period. Continuing into the first two 1-hour averaging periods for the next day, September 20, average CO concentrations were 2837 and 4510, respectively, relative to the 1-hour standard CO concentration of 200 ppm<sub>dv</sub>, and the resulting 4-hour average concentration for the period beginning at midnight was 3674 ppm<sub>dv</sub>. It was later reported that these CO concentrations were caused by a tube rupture in the evaporator section of the Unit 1 boiler that occurred at approximately 8:21 PM on September 19 and which resulted in boiler water loss and requiring several hours to fully shut down. All CO concentrations reported as high relative CO standard concentrations

were exaggerated by elevated oxygen levels during shutdown and the cause being mechanical failure were not subject to regulation.

On Wednesday September 29, the CEMS on Unit 1 reported CO excursions relative to the 1-hour and 24-hour emission concentration limits. This was determined to have resulted from a discharger malfunction and there is no regulatory implication.

**TES Contract (Weather Station)** – All of the instrumentation worked normally this quarter. Data recovery for all parameters was 100 percent. Precipitation for the month of July was 1.61 inches; August was 5.43 and September was 11.27.

## **WASTE REDUCTION AND RECYCLING**

**Public Education and Outreach** – DSWS staff participated in 73 education and outreach events and activities during July, August and September 2011, reaching an estimated audience of 8,572 people. Staff is currently working on several initiatives for the new fiscal year, which began on July 1, including a food waste recycling demonstration project. This project will be used as a model to assist businesses that generate food waste to replicate and develop their own programs to maximize recycling achievement by recycling food waste. DSWS will provide technical assistance, training, educational materials and monitoring of the project. The fall issue of the Civic Loop newsletter was completed and emailed to community and civic associations in mid-September. This issue of the newsletter included a focus on the proper disposal of medications. Staff continues to plan for several outreach events this fall including the Taste of Bethesda, Kentlands Oktoberfest, Olney Community Night and Potomac Day. Planning is underway for America Recycles Day 2011. DSWS will be hosting two confidential paper shredding and recycling, and reusable clothing and household goods donation collection events in November to celebrate America Recycles Day. The first event is scheduled for Saturday, November 19 at Thomas S. Wootton High School in Rockville and the second event is scheduled for Sunday, November 20 at Takoma Park Middle School in Silver Spring. Information regarding these events has been posted on the DSWS website and also on the America Recycles Day website at [www.americarecyclesday.org](http://www.americarecyclesday.org).

**On-Site Composting and Waste Reduction Activities** – A total of 468 compost bins were distributed between July 1, 2011 and September 30, 2011 to encourage residents to compost their leaves and grass clippings on-site. Staff conducted two composting workshops and provided composting education to 90 residents. Staff continued to work with the 18 compost bin pick-up locations to ensure they had an adequate supply of composting bins in stock.

**Recycling Investigations Unit** – Since the unit was established, 39,458 site visits and 3,808 formal investigations have been conducted. For the period from July 1, 2011 through September 30, 2011, 96 NOVs were issued to businesses and multi-family properties for infringements against the recycling regulations and Chapter 48. Eleven (11) citations were issued to businesses during this same period. Seven citations were issued to businesses for failing to recycle the required materials; two citations were issued to businesses for failing to provide containers for required recyclable materials; one citation was issued to a business for failure to maintain the premises by permitting solid waste to be stored outside of storage containers; and, one citation was issued to a collector for failing to collect and deliver to a recycling facility materials that were source separated for recycling collection.

**Commercial Recycling and Waste Reduction** – The SORRT Program conducted 2,548 site visits to businesses between July 1, 2011 and September 30, 2011. During this same period, staff resolved two complaints, participated in 38 educational events reaching 1,195 people, distributed 1,354 desk-side recycling bins to businesses to help set-up and/or improve existing recycling programs, and responded to 193 requests for information ranging from educational materials to presentations for property managers, tenants, and employees. The SORRT program completed on-site field verifications of the 895 Annual Business Waste Reduction and Recycling Reports covering Calendar Year 2010 to ensure the information submitted in the reports was accurate. Confirmation notices containing the businesses' individual recycling rates have been emailed to 554 filers; the remaining notices will be sent via U.S. mail as some businesses did not provide valid email addresses. 60 percent of all businesses submitted their CY 2010 annual reports on-line, compared to 55 percent in Calendar Year 2009. The SORRT team will begin working intensively with those properties that reported recycling rates below twenty percent in order to improve their recycling efforts. The Recognition issue of the SORRT Network Newsletter which highlighted activities as part of Recycling Awareness Week and included a listing of businesses and individuals that received recognition for their recycling efforts was emailed to 1,248 SORRT Network Newsletter subscribers.

**Multi-Family Recycling and Waste Reduction** – Between July 1, 2011 and September 30, 2011, the TRRAC Program conducted 787 on-site visits to multi-family properties to monitor the status and progress of their recycling programs and to recommend program improvements. Staff participated in 21 multi-family property educational events, reaching 1,012 people. These events included National Night Out activities, pool parties where staff educated attendees, and numerous resident recycling presentations, staff trainings, and lobby displays. Staff also responded to 180 requests for information, resolved 8 resident concerns, and distributed 2,848 multi-family recycling bins. The September edition of the TRRAC newsletter for multi-family property representatives was emailed to 1,153 multi-family property representatives and included information on multi-family recycling award winners and apartment recycling bins available to properties to assist with resident recycling. Staff completed field verifications of the 636 Multi-Family Annual Recycling and Waste Reduction Reports covering Calendar

Year 2010 to ensure the information submitted on the reports was accurate. Confirmation notices that included individual property recycling rates as verified during the field verification process were emailed to all but 12 multi-family property representatives, who instead received their notices via mail due to not having provided staff with an email address. The TRRAC Program began analysis of the annual recycling report data to identify priority properties to intensively work with to achieve increased recycling achievement during CY12.

**Mixed Paper Recycling** – Existing educational materials were distributed to residents at several events. Larger quantities of materials were also provided to homeowner associations and civic groups for their use and distribution.

**Volunteer Activities** – 55 volunteers, some of them participating in multiple events, contributed 516 hours of their time to support recycling activities from July 1, 2011 through September 30, 2011. Two volunteers provided 233 hours of office assistance which included filing, computer data entry, counting and bundling educational materials for events, and labeling files. 49 volunteers participated in six community outreach events, including the Montgomery County Agricultural Fair, directly reaching 6,017 residents. During this quarter, the Recycling Volunteer Program recruited 20 prospective volunteers and 10 new volunteers. In September, the program reached 47 potential volunteers at a volunteer outreach event held at Montgomery College in Takoma Park.

## **PILOT PROGRAMS**

**Cooperative Collection/Alternative Collection** –The SORRT Program continues to monitor all three Cooperative Collection Projects in Silver Spring to ensure that the participants are recycling properly.

## **FACILITY ACTIVITIES**

**Resource Recovery Facility (RRF)** – The RRF processed a total of 143,959 tons for the quarter, or 1,565 tons per day. During this time 5 tours of the plant were given. The plant exported 82,009,800 kilowatt-hours to the power grid. About 2,880 tons of ferrous material was recovered from the ash and recycled. In August, the plant successfully went through its annual stack testing. During the period, Unit #3 underwent its scheduled fall outage. Unit #3 outage also included repairs on the baghouse reverse air duct. On September 19, Unit #1 ruptured an evaporator tube. The unit was taken offline and an additional 15 other tubes were also replaced before they too would rupture. Later in the month, Unit #1 broke grate bars that required the unit to be taken offline and the bars replaced. At the end of September, Unit #1 developed a superheater tube leak so the unit was taken offline to make repairs.

**Materials Recovery Facility (MRF)** – Received incentive pre-approval from Pepco's Energy Savings Program for application to install energy efficient lighting in Recycling Center materials storage shed. Replaced conveyor belt and chain for #2 position which transports material to pre-sort station. Replaced conveyor on #17 position which transports material from the trommel to the air classifier.

**Oaks Landfill** – The 2.4 Megawatt landfill gas-to-energy plant continues to operate. During late-Summer to early-Fall 2011, DSWs and its Landfill Maintenance Contractor provided assistance to maintain the 700+ trees that were planted as part of the 10-acre reforestation project at Oaks Landfill on Earth Day. Currently, there is discussion with the County Soil Conservation District for a late-Fall 2011 tree planting event.

**Gude Landfill** – The 0.8 Megawatt landfill gas-to-energy plant continues to operate. In conjunction with the Northeast Maryland Waste Disposal Authority (NMWDA), DSWs and EA Engineering, the remaining technical effort of the Nature and Extent Study (NES) progressed. The project work included: property access approvals, permanent and temporary groundwater monitoring well installations, stream gauge and elevation surveys and groundwater sampling events. The final NES Report with supplemental documentation for new field investigations is due to the MDE in mid-November.

DSWS continues to work with the County Office of Real Estate and M-NCPPC regarding the land disposition process for the requested exchange of land of approximately 17 acres between the County and M-NCPPC for impacted park land that is adjacent to the Gude Landfill. Public Notice Letters to the neighboring communities, businesses and other interested parties occurred in early-July 2011. Newspaper Advertisements were ordered via the Gazette in mid-July through Early-August 2011. A Public Meeting was held in late-July to receive public comments on the proposed exchange of land. Meetings with the Community and DSWs regarding the Gude Landfill Remediation continue on a monthly basis.

**Solid Waste Transfer Station** – Covanta shipped 142,348 tons of processible waste via rail from the Transfer Station for the first quarter of FY12 compared to 146,707 for the same period last year.

The inbound radiation detectors had 41 total valid alarms in the first quarter. One alarm involved a driver or passenger who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation; and 34 alarms by vehicles that were identified as containing low levels of medical isotopes with short half-lives in trash. We also had three rejected loads containing RA226, and three false alarms.

The Public Unloading Facility radiation detectors had 6 alarms. All alarms involved drivers or passengers who had undergone recent medical tests and/or treatment involving radioactive isotopes and residual radiation.

**Transfer Station Enforcement** – Under Chapter 48 of the Montgomery County Code, a total of 91 enforcement actions were taken during the reporting period. The enforcement composition breakdown includes:

Code Section	Description	Verbal	NOV	Citation	TOTAL
48-05	<i>Permit required to collect or dispose of solid waste</i>	0	0	0	0
48-05(3)(d)	<i>Delivery of solid waste acceptable for recycling</i>	5	8	15	28
48-10	<i>Deposit at other than an approved place - Prohibited</i>	0	1	0	1
48-11	<i>Illegal dumping, dumping in another's container, dumping solid waste on a public right-of-way</i>	0	0	1	1
48-18(a)	<i>Unlicensed Company/Tags</i>	4	6	0	10
48-19(a)(1)	<i>Unlicensed Collection Company / Transporting solid waste without a valid collectors /haulers tag</i>	1	9	3	13
48-19(a)(3)	<i>Licensing of collectors and haulers - A person must not engage in the business of collecting or transporting solid waste in the County without first obtaining a license from the Director.</i>	0	1	1	2
48-20(a)	<i>Un-permitted Vehicle of a Licensed Company</i>	0	1	2	3
48-20(b)	<i>Transporting solid waste without a canvas or tarp covering the load tightly</i>	4	25	3	32
48-20(d)	<i>Find a vehicle to be in a unsafe physical, mechanical or sanitary condition</i>	0	0	1	1
	<b>TOTALS</b>	<b>14</b>	<b>51</b>	<b>26</b>	<b>91</b>
					<b>91</b>

**Site 2 Landfill Properties** – Staff continue to communicate with the Army Corp of Engineers to get them to process the application for Site 2 pond work. During the quarter the County Department of General Services' Division of Building Design and Construction inspected the barn and other farm structures at the Chiswell farm to advise if the siding that previous owners attached was asbestos shingling. DGS determined that the shingling was asbestos and was making preparations to get it removed.



**Yard Trim Compost Facility** – The facility received 11,416 tons of material for composting this quarter; this compares with 7,659 tons of materials received during the same period last year. No material was diverted to back-up composting facilities this quarter. There were 12,233 cubic yards of bulk LeafGro™ shipped this quarter; compared with 15,556 cubic yards for the same period last year. There were 1,054 cubic yards of Linden Farm Humus sold this quarter; this compares with 3,107 cubic yards for the same period last year.

**Bagging Operation** – 79,700 bags of LeafGro™ were shipped to distributors this quarter. This compares with 89,000 bags shipped during the same period last year. (Each bag is 1.5 cubic feet weighing 45 lbs.)

In this quarter, 6,000 bags of Compro™ bags were shipped to distributors. This compares with 5,350 bags during the same period last year.

## **OUT-OF-COUNTY HAUL**

Old Dominion, Richmond, VA – In the first quarter of FY12 approximately 42,989 tons of ash residue were transported to the Old Dominion Landfill for ash recycling and metal recovery. The Ash is screened into two grades for use as road base and alternate daily cover within the confines of the landfill owned by Republic Services. Metals are also removed from the ash both at the RRF and during the screening process at Old Dominion Landfill.

**Perry Hall Maryland** – Approximately 10,181 tons of asphalt, soil, concrete, and brick and block and other non-processibles were sent to the Honeygo Run Recycling site in Perry Hall, Maryland, for construction and demolition recycling for the first quarter of FY 12.

# GENERAL INFORMATION

## Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	240-777-6560 (County Office) 301-916-3031 (Covanta) 301-330-2840 (MES)
Materials Recovery Facility	240-777-6591 (County Office) 301-417-1433 (MES)
Resource Recovery Facility	240-777-6494 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWs	<a href="http://www.montgomerycountymd.gov/solidwaste">www.montgomerycountymd.gov/solidwaste</a> <a href="http://www.montgomerycountymd.gov/recycling">www.montgomerycountymd.gov/recycling</a> <a href="http://www.montgomerycountymd.gov/hazardouswaste">www.montgomerycountymd.gov/hazardouswaste</a> <a href="http://www.montgomerycountymd.gov/useitagain">www.montgomerycountymd.gov/useitagain</a> <a href="http://www.montgomerycountymd.gov/yardtrim">www.montgomerycountymd.gov/yardtrim</a> <a href="http://www.montgomerycountymd.gov/veggieoil">www.montgomerycountymd.gov/veggieoil</a> <a href="http://www.montgomerycountymd.gov/GOGREEN">www.montgomerycountymd.gov/GOGREEN</a>

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Serena Bell  
Department of Environmental Protection  
Division of Solid Waste Services  
101 Monroe Street, 6th Floor  
Rockville, MD 20850  
Tel: 240-777-6459  
Fax: 240-777-6465  
Email: [serena.bell@montgomerycountymd.gov](mailto:serena.bell@montgomerycountymd.gov)

# SOLID WASTE FACTS IN A NUTSHELL

TOPIC OR FACILITY	
Latest Tonnage of Materials Recycled in a Fiscal Year in Montgomery County	496,954,361 (FY11)
Latest Recycling Rate Reported in Montgomery County	44.4% (FY11)
Recycling Goal	50% by December 2010
Resource Recovery Facility (RRF)	Permitted Capacity = 657,000 tons per calendar year (based on 5,500 BTU/lb waste)
Yard Trim Compost Facility	<p>Under the Sugarloaf Settlement Agreement, operations are limited to the receipt of 77,000 tons per fiscal year.</p> <p>In FY11, 65,392.80 tons of yard trim were received at the Dickerson Facility.</p>
# Residences receiving trash collection by County contractors	90,986
# Residences receiving collection of recyclables in blue bins and yard trim collection	211,310
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started October 20, 1997.)

# GLOSSARY OF ACRONYMS

BTU	British Thermal Unit
CEMS	Continuous Emissions Monitoring System
DAFIG	Dickerson Area Facilities Implementation Group
DEP	Department of Environmental Protection
DGS	Department of General Services
DSWS	Division of Solid Waste Services
ERP	Enterprise Resource Planning
FY	Fiscal Year
GLCC	Gude Landfill Concerned Citizens
HHW	Household Hazardous Waste
kWh	Kilowatt-hours
MCPS	Montgomery County Public Schools
MDE	Maryland Department of the Environment
MES	Maryland Environmental Services
M-NCPPC	Maryland-National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
RRF	Resource Recovery Facility
SCFM	Standard cubic feet per minute
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
SVO	Straight Vegetable Oil
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
USGA	United States Golf Association
WVO	Waste Vegetable Oil
YTD	Year-To-Date